

~~TYUKOV, A.I., red.;~~ TSODIKOV, B.M., red.; PEVZNER, A.S., zav. red.; MEDVEDEV,
L.Ya., tekhn. red.

[Cost manual for pipe installation work] TSennik na montazh
oborudovaniia. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i
stroit. materialam. No. 12. [Piping and fittings] Truboprovody i
armatura. 1958. 202 p. (MIRA 11:12)

1. Russia(1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.

(Pipe)
(Pipe fittings)

DOBROVOL'SKIY, A.K., kand.tekhn.nauk, dotsent; TYUKOV, A.N.

Investigating the geometry of large cylindrical parts. Izv.vys.
ucheb.zav.; mashinostr. no.7:40-52 '60. (MIRA 13:11)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana.
(Shop mathematics)

CA

17

Evaluation of the Winkler method in determination of protein ammonia in drinking water. D. M. Tyukov and O. A. Babicheva. *Trudy Vsesoyuznogo Inst. Eksp. Med.* 1, No. 2, 71-77 (in German 77-78) (1974).—NH₃ was detd. by the Winkler method in solns. of NH₄Cl, glycocoll, gelatin hydrolyzate, peptone and casein, as follows: To a known vol. of the protein soln. solns. of H₂SO₄ and 0.2 N K₂S₂O₈ were added. The mixt. was heated for 15 min. on a water bath, cooled, and a known quantity of NH₄Cl added. Distd. water with the same concn. of NH₄Cl served as the basis of comparison in colorimetric detns. The amt. of NH₄Cl needed to bring the aq. soln. to the same color as the protein soln. was considered equiv. to the quantity of NH₃ produced by the oxidation of the protein soln. It was found that K₂S₂O₈ has no action on Nessler reagent. The expts. showed that the Winkler method for detn. of NH₃ gives results very close to the theoretical, except at greater concns. of proteins (4-8 mg. of NH₃ per l.), where complete decompn. of amino acids does not take place. K₂S₂O₈ oxidises not only amino acids to NH₃, but such substances as casein; it also has the property of clearing water. The fact that the Winkler method gives results much closer to the theoretical values than the Wanklin Chapman method, its simplicity, and quickness recommend it for detns. of NH₃ in drinking water. N. N. Menshili

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

TYUKOV, D.M.; KRUPINA, A.P.; PONOMAREVA, A.M.

Spectral characteristics and bactericidal effect of the radiation of
fluorescent sun lamps. Gig. i san. no. 1:10-12 Ja '54. (MLRA 6:12)

1. Iz Leningradskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta.

(Fluorescent lamps) (Bactericides) (Ultraviolet rays--Physiological effect)

GALANIN, I.F.; TYUKOV, D.M.

Relationship of wearing apparel fabrics and ultraviolet rays.
Gig.1 san.no.2:3-9 P '54. (MLBA 7:2)

1. Leningradskiy nauchno-issledovatel'skiy sanitarno-gigiyenicheskiy institut.
(Ultraviolet rays)

TYUKOV D.M.
KRUPINA, A.P.; TYUKOV, D.M.; PONOMAREVA, A.M.

Bactericidal effectiveness of sun rays in polluted atmospheric conditions. Gig. i san., no.8:15-18 Ag '54. (MLRA 7:9)

1. Iz Leningradskogo nauchno-issledovatel'skogo sanitarno-gigiyenicheskogo instituta.

(AIR, bacteriology,
eff. of sunlight)

(SUNLIGHT, effects,
on bact. in air)

TYUKOV, D. M.

PHASE I BOOK EXPLOITATION

SOV/4107

Leningrad. Institut radiatsionnoy gigiyeny

Ul'trafiioletovaya radiatsiya i yeye gigiyenicheskoye znachenie;
sbornik trudov (Ultraviolet Radiation and Its Sanitary
Importance; Collection of Transactions) Leningrad, 1959.
198 p. Errata slip inserted. 700 copies printed.

Additional Sponsoring Agency: RSFSR. Ministerstvo
zdravookhraneniya.

Ed. (Title page): N. F. Galanin, Director of the Institute
of Radiation Hygiene, Corresponding Member, Academy of
Medical Sciences USSR, Professor; Ed. (Inside book):
D. M. Tyukov.

PURPOSE: This collection of articles is intended for re-
searchers and personnel working in public health and
medicine who are interested in the hygienic and therapeutic
effects of ultraviolet radiation.

Card 1/6

Ultraviolet Radiation (Cont.)

SOV/4107

COVERAGE: The purpose of the present collection is to supply material for future publications on important problems in the field. The collection includes studies on ultraviolet radiation made at the Institut radiatsionnoy gigiyeny (Institute of Radiation Hygiene) under the direction of Professor N. F. Galanin, Corresponding Member, AMN SSSR (Academy of Medical Sciences USSR). Throughout the text frequent reference is made to the works of Soviet contributors to the field. There is a bibliography of Soviet and non-Soviet sources at the end of every article except the tenth.

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Ultraviolet Radiation (Cont.)

SOV/4107

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Sviderskaya, T. A., Candidate of Medical Sciences. Seasonal Changes in Certain Biological Reactions in Children Under Conditions [Prevailing] in Leningrad. 82

Sviderskaya, T. A. Artificial Ultraviolet Irradiation of Children as a Prophylactic Measure. 95

Lukash, N. I., Candidate of Medical Sciences. Effect of Ultraviolet Irradiation on Oxidation Processes. 107

Sviderskaya, T. A. Action of Ultraviolet Rays on the Organism as a Generally Stimulating Factor. 112

Tyukov, D. M. Optical Properties of the Skin in Relation to Ultraviolet Rays. 125

Card 4/6

STEPANOVA, T.S.; TYUKOV, D.M.

Dynamics of the bioelectric activity of rabbit brain in
short-wave ultraviolet irradiation. Radiobiologiya 3 no.3:
400-407 '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy neyrokhirurgicheskiy institut
im. A.L. Polenova i Institut radiatsionnoy gigiyeny, Leningrad.

ACCESSION NR: AP3001069

8/0205/63/003/003/0400/0407

AUTHOR: Stepanova, T. S.; Tyukov, D. M.

TITLE: The dynamics of bioelectric activity of rabbit brains during short-wave ultraviolet irradiation

SOURCE: Radiobiologiya, v. 3, no. 3, 1963, 400-407

TOPIC TAGS: bioelectric activity, biopotentials, short-wave ultraviolet irradiation, EEG, electroencephalogram, EKG, electrocardiogram, electrocardiogram, respiratory radiation reactions, brain stem radiation reactions

ABSTRACT: The dynamics of the bioelectric activity of rabbit brains during short-wave ultraviolet irradiation, with special attention to reactions developing during the irradiation process itself, were studied. EEG's, EKG's, and respiration of 20 rabbits were recorded simultaneously prior to, during, and for the first 60 min and for several days following irradiation by short-wave ultraviolet in doses of 5000, 3800, 2000, and 1000

Card 1/3

ACCESSION NR: AP3001065

microvolts x min/cm sup 2. EEG's were recorded from 4 or 5 bipolar grounded takeoffs installed bilaterally in the motor and visual cortex. In a number of cases electrocorticograms (biopotentials recorded from the open brain) were taken. The studies showed that several changes in the EEG develop during irradiation with short-wave ultraviolet, which may persist for a longer or shorter period after irradiation ceases. The most regular of these changes was a decrease in the amplitude of bioelectric activity. The phase of excitation of biopotentials, reported as an effect of penetrating radiation, was observed only in the case of direct irradiation of the open brain, and the decrease in the amplitude of biopotentials, already mentioned, was never as pronounced as in the case of penetrating radiation. Other effects of ultraviolet irradiation include some strengthening in the processes of remote ionization in the EEG and changes in the frequency spectrum, the latter being well marked. The changes in the EEG produced by irradiation with short-wave ultraviolet, which were reversible, were nonetheless quite noticeable and extended to all the individuals studied. These doses also produced pronounced shifts in the respiratory rate. Changes produced by the 100 and 200 microvolts x min x sup 2 doses were not suitable for simple analysis and their presence or absence could be definitely established only by mathematical analysis. The dynamics

Card 2/3

ACCESSION NR: AP3001065

of the observed change in bioelectric activity indicate the involvement of brain stem structures in radiation reactions. Orig. art. has: 2 figures and 4 tables.

ASSOCIATION: Nauchno-issledovatel'skiy neyrokhirurgicheskiy institut im. A. L. Polenova (Scientific Research Institute of Neurosurgery); Institut radiatsionnoy gigiyery, Leningrad (Institute of radiation hygiene)

SUBMITTED: 23Jul62 DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 014

OTHER: 000

Card 3/3

TYUKOV, I.Ya.

Problem of the vertical distribution of the density field
in the baroclinic sea. Izv. AN SSSR. Ser. geofiz. no.3:422-
425 Mr '64. (MIRA 17:3)

1. Dal'nevostochnyy gosudarstvennyy universitet.

"APPROVED FOR RELEASE: 08/31/2001

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APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757720016-5"

SEMENOV, Yu.P.; TYUKOV, N.D.

Introduction of a printing apparatus on radio communication lines at Mirnyy Observatory. Inform. biul. Sov. antark. eksp. no.39:29-31 '63. (MIRA 16:6)

1. Glavnyy inzhener Shestoy kontinental'noy antarkticheskoy ekspeditsii (for Semenov).
 2. Nachal'nik otryada radiosvyazi i radionavigatsii Shestoy kontinental'noy antarkticheskoy ekspeditsii (for Tyukov).
- (Mirnyy station, Antarctica--Telecommunication)

YAKOVLEV, V.I., kand. tekhn. nauk (Moskva); VUL', Yu.Ya., inzh. (Moskva);
TYUKOV, R.A., inzh. (Moskva)

Efficient system for regulating electric excavator drives. Elektri-
chestvo no.3:30-35 Mr '65. (MIRA 18:6)

ARTAKONOV, M. I., TYUKOV, S. YE.

Forest Management

Organization and management of the collective farms woods and protective forests. Les khoz. 5 no. 9, 1952 .

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~1953~~, Uncl.

SOLDATOV, Anatoliy Gavrilovich [Soldatov, A.H.], kand.sel'skokhoz.nauk;
TYUKOV, Sergey Yefimovich [Tiukov, S.IU.], uchenyy lesovod;
TURKEVICH, Nikoley Vasil'yevich [Turkevych, M.V.], kand.biolog.
nauk; POGREBNIYAK, P.S. [Pohrebniak, P.S.], akademik, red.;
FLOROVSKIY, A.M. [Florova'kyi, A.M.], kand.sel'skokhoz.nauk, red.;
VAS'KOVSKIY, Yu.I., red.; KVITKA, S.P., tekhn.red.

[Ukrainian forests] Lisy Ukrainsy. Kyiv, Vyd-vo Ukrains'koi
Akad.sil's'kohospodars'kykh nauk, 1960. 459 p. (MIRA 14:1)

1. AN USSR (for Pogrebnnyak).
(Ukraine—Forests and forestry)

ARTEMENKO, A.K.; MALYUGIN, T.T. [Maliuhin, T.T.]; TOLCHNYEV, B.P. [Tolcheiev, B.P.]; TYUKOV, S.Yu.; SHLYAKHANOV, L.D.; SOLDATOV, A.G., red.;
TOKAR, L.O., red.; DEREV'YANKO, G.S., tekhn.red.

[Forestry and shelterbelt afforestation] Lisivnytstvo i polesakhysno
lisorozvedennia. Za red. A.N. Soldatova. Kyiv, Derzh. vyd-vo :
sil's'kohospodars'koi lit-ry URSR, 1956. 359 p. (MIRA 12:3)
(Windbreaks, shelterbelts, etc.)

TYUKOV, V.

~~SECRET~~
Turnover of merchandise in the sixth five-year plan. Sov. torg.
no.7:1-9 J1 '56. (MLRA 9:10)

(Retail trade)

TYUKOV, V.

KUZIN, N.; TYUKOV, V.

Payer of the sales tax. Sov.torg.no.1:22-24 Ja '57. (MLRA 10:2)
(Sales tax)

TYUKOV, V.; LOKSHIN, R.

"Domestic trade in prerevolutionary Russia" by G.A.Dikhtiar.
Reviewed by V.Tiukov, R.Lokshin. Sov. torg. 35 no.3:54-58 M-
'62. (MIRA 15:3)

(Russia--Commerce) (Dikhtiar, G.A.)

TYUKOV, V.

Development of the material and technical fundation of
commerce within the overall perspective. Sov. torg. 35
no.12:3-9 D '61. (MIRA 14:11)

1. Nachal'nik otdela tovarooborota, chlen Gosekonomsove'ta SSSR.

TYUKOV, V.

Development of Soviet commerce in the years 1959-1965. Sov.
torg. no.1:5-14 Ja '59. (MIRA 12:2)
(Russia--Commerce)

TYUKOV, V.

Principles of planning the stock and the turnover in retail trade.
Sov.torg. no.5:33-38 My '57. (MLRA 10:8)

1. Nachal'nik Planovo-ekonomicheskogo upravleniya Ministerstva trgovli
SSSR.

(Retail trade)

TYUKOV, V.

"Commodity stocks in consumers' cooperatives" by R.A. Lokshin.
Reviewed by V. Tiukov. Vop. ekon. no.7:133-137 J1 '61.

(MIRA 14:7)

(Retail trade) (Lokshin, R.A.)

LUKIN-BUTENKO, G.A.; MANEVICH, A.Z.; MIKHIL'SON, V.A.; LUKOMSKIY, G.I.;
TYUKOV, V.L.

Prevention and treatment of vomiting and regurgitation of the
contents of the stomach in anesthesia in emergency surgery.
Trudy Inst. im. N.V. Sklif. 9:233-239 '63. (MIRA 18:6)

1. Kafedra fakul'tetskoy khirurgii sanitarno-gigiyenicheskogo
fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta
imeni Sechenova.

GALIGUZOV, N.S., kand.tekhn.nauk; TYUKANOV, V.N., inzh.

Monitor with centrifugal action used in the Chertinskii Central
Coal Preparation Plant. Obog. 1 brik.ugl. no.10:54-55 '59.

(MIRA 13:9)

(Kuznetsk Basin--Coal preparation plants--Equipment and supplies)

SHUSTERMAN, M.Ya.; TYUKAVKIN, G.D.

Improving rail welding. Put' i put.khoz. 4 no.10:28-29 0
'60. (MIRA 13:9)

1. Nachal'nik rel'sosvarochnogo poyezda, g. Kiyev (for Shusterman).
(Railroads--Rails--Welding)

TYUKHIN, A.T., inzh.-mekhanik (g.Voronezh)

Improving the track-measuring track. Put' i put.khoz. 4 no.9:23 S
'60. (MIRA 13:9)

(Railroads--Equipment and supplies)
(Railroads--Track)

S/081/60/000/017/008/015
A006/A001

Translation from: Referativnyy zhurnal, Khimiya, 1960, No. 17, p. 75, # 68757

AUTHORS: Ivukina, M.N., Zalivalov, F.P., Tomashov, N.D. 18

TITLE: Electron-Microscopical Study of the Microstructure of Anodic Oxide Films on Aluminum ✓

PERIODICAL: Tr. In-ta fiz. khimii, AN SSSR, 1959, No. 7, pp. 165-174

TEXT: The authors studied the effect of electrochemical conditions of obtaining anodic oxide films on Al upon their structure and physico-chemical properties. The Al surface was investigated after removal of the oxide film in hot solution of 35 ml/l H_2PO_4 and 20 g/l CrO_3 . The surface of the oxide film and the transverse and longitudinal splits of the oxide film were also studied. A method is described of obtaining carbon imprints from anodic oxide film splits. It is shown that anodic oxide films on Al surfaces consist of close-packed cells in the form of hexagonal prisms, arranged with their base faces parallel to the anode surface. The cellular structure is formed within 3-7 sec after application of the anode current and does not change with a further growth of the oxide film ✓

Card 1/2

S/081/60/000/017/008/016
A006/A001

Electron-Microscopical Study of the Microstructure of Anodic Oxide Films on
Aluminum

thickness. The pore size in the oxide film increase linearly with an increase of the forming tension. It is shown that the particular properties of anodic oxide films (hardness, resistance against corrosion and wear) obtained by the method of hard anodizing, are explained by the increased size of oxide cells, forming the oxide film, due to the thickening of their walls. ✓

Yu. Polukarov

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

BACHURIN, A.V.; MARGOLIN, N.S.; KONDRASHV, D.D.; GORICHEV, N.V.;
ROGOVSKIY, N.I.; YAMPOL'SKIY, M.A.; TYUKOV, V.S.;
ROTSHTEYN, L.A.; GERASHCHENKO, V.S.; KOTOV, V.F.;
BAZAROVA, G.V., red.; PORTYANNIKOV, N.S., red.;
GERASIMOVA, Ye.S., tekhn. red.

[Commodity and monetary relations during the period of
transition to communism] Tovarno-denezhnye otnosheniia v
period perekhoda k kommunizmu. Moskva, Ekonomizdat, 1963.
386 p. (MIRA 16:5)

(Economics)

TYUKOV, Vasilii Sergeyevich; KHOLIN, I.A., red.; PONOMAREVA, A.A., tekhn.
red.

[Planning the retail turnover of goods] Planirovanie roznichnogo
tovaroochrota. Moskva, Gosplanizdat, 1960. 72 p. (MIRA 13:9)
(Retail trade)

KAMINSKIY, Iakov Abramovich; TYUKOV, V.S., red.

[Wholesale trade and warehouse economy in the U.S.S.R.] Optovaya
torgovlia i skladscoe khoziaistvo v SSSR, pod redaktsiei V.S.
Tiukova. Moskva, Gos.izd-vo torgovoi lit-ry, 1957. 57 p.
(Wholesale trade) (MIRA 12:4)

TYUKOV, Vasilii Sergeyevich; BOGATYRENKO, Z.S., red.; SAVCHENKO, Ye.V.,
tekh.n.red.

[Soviet commerce in the seven-year plan] Sovetskaya torgovlia
v semiletke. Moskva, Izd-vo "Znanie," 1959. 31 p. (Vsesoiuznoe
obshchestvo po rasprostraneniю politicheskikh i nauchnykh
znaniy. Ser.3, Ekonomika, no.19). (MIRA 12:7)
(Commerce)

YURIST, I.M.; TYUKOVA, Z.V.

Complexometric determination of palladium. Zav.lab. 28 no.7:
798-799 '62, (MIRA 15:6)
(Palladium...Analysis)

ALEKSEYEV, Vladimir Ivanovich; ZARETSKIY, . . .; TYUKOVIN, I.N.;
BOGATOV I.P., retsenzent; BELOV, M.I., retsenzent;
IVANOV, K.A., retsenzent; MEYTEROVICH, M.G., retsenzent;
ORFANOV, I.K., retsenzent; TITOV, S.M., retsenzent;
TONYAYEV, V.I., retsenzent

[Moscow-Gorkiy-Moscow; guidebook on the Moscow Canal,
and the Volga, Oka, and Moscow Rivers] Moskva - Gor'kii -
Moskva; putevoditel' po kanalu imeni Moskvyy, Volge, Oke i
Moskve-roke. Moskva, Izd-vo "Transport," 1964. 101 p.
(MIRA 17:6)

ZHURAVLEV, V.S.; PODKOVRKIN, I.L.; SEMENENKO, P.P.; TULUYEVSKIY, Yu.N.;
TYULEBAYEV, V.G.; CHEKANOVSKIY, M.L.

Automatic control of heat conditions in open-hearth furnaces
with the use of alpha-indicators. Metallurg 8 no.6:13-15 Je '63.
(MIRA 16:7)

1. Metallurgicheskiy kombinat imeni A.K. Serova i Chelyabinskiy
nauchno-issledovatel'skiy institut metallurgii.
(Open-hearth furnaces) (Automatic control)

KONYUKH, V.Ya.; CHEKANOVSKIY, M.L.; GUBAYDULLIN, I.N.; TYULEBAYEVA,
Yu.F.; TYULEBAYEVA, V.G.; KAMKIN, N.G.

Intensification of the open-hearth smelting process by
using compressed air. Met. i gornorud. prom. no.3:26-27
My-Je '65. (MIRA 18:11)

KONYUKH, V.Ya.; CHEKANOVSKIY, M.L.; GUBAYDULLIN, I.N.; TYULEBAYEVA,
Yu.F.; TYULEBAYEVA, V.G.; KAMKIN, N.G.

Intensification of the open-hearth smelting process by
using compressed air. Met. i gornorud. prom. no.3:26-27
My-Je '65. (MIRA 18:11)

TYULENEV, A.K.; GRIGOR'YEV, A.I.; MOVOSELOVA, V.A.

Interaction of normal beryllium acetate with ammonia and ethylamine.
Zhur.neorg.khim. 8 no.1:251-253 Ja '63. (MIRA 16'5)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova,
kafedra neorganicheskoy khimii.
(Beryllium acetate) (Ammonia) (Ethylamine)

TYULENEV, A.M.; BUZUNOV, I.A.; ASKAROV, A.A., kand. tekhn. nauk;
OSTANKOV, A.G., kand. tekhn. nauk; IVANOV, A.I., kand.
tekhn. nauk [deceased]; KHEORST, G.O., kand. tekhn. nauk;
BUTYRIN, M.V., kand. tekhn. nauk; PEREVERZEV, S.K., kand.
tekhn. nauk; KRIVONOSOVA, N.A., red.

[Manual for irrigation engineers] Spravochnik gidrotekhnika-
irrigatora. Tashkent, Uzbekistan. Pt.2. 1964. 328 p.
(MIRA 18:10)

TYULENEV, A.Ye.

Some data on the composition and conditions governing bauxite
formation in the Endinskoye deposit. Trudy VSEGEI 118:99-115
'64. (MIRA 18:2)

TYULENEV, E.

PA 63T5

USSR/Aeronautics
Airplanes, Military
Airports

Apr 1948

"The Use of Combat Support Planes (Shturmoviks)
Against Enemy Airfields," Guard Lt Col E. Tyulenev,
Hero of the Soviet Union, 6 pp

"Vest Vozdush Flota" No 4 (350)

Article written on basis of actual war experience.
Prime objective in subject operation is for planes to
remain over enemy airfields for long period of time.
Discusses preflight briefing operation and type of
formation and formation complement as well as assign-
ments of various components of formation. Describes
attack on a German airfield outside of Veselyy.

6813

TYULENEV, F. (Col.)

"Action of Attack Planes (Stormoviks) Against Enemy Airfields," Vestnik Vozdushnogo Flota, No. 4, 1948.

Translation - W-13932, 25 Sep 50

TYULENEV, I., inzh.; SOSNIN, V., inzh.

Automatic control of the S-80 tractor. Nauka i pered. op. v sel'khoz.
8 no.8:62-64 Ag '58. (MIRA 11:10)

(Tractors) (Automatic control)

TYULENEV, I., general armii.

Russian infantry. Voen.znan.31 [i.e.32] no.5:8-9 My '56.
(Russia--Army--Infantry) (MIRA 9:9)

TYULENEV, I.V., general armii; YAKOVLEV, N.P., polkovnik; SOKOLOV, N.A., polkovnik; BESHKAREV, N.A., podpolkovnik; LAVRUKHIN, V.S., podpolkovnik; FEDYAYEV, P.V., podpolkovnik; GULEVICH, I.D., podpolkovnik, red.; SPREL'NIKOVA, M.A., tekhn.red.

[Practical manual of preconscription training] Metodicheskoe posobie po doprizyvnoi podgotovke. Moskva, Voen.izd-vo M-va obr. SSSR, 1959. 188 p. (MIRA 12:5)

1. Russia (1923- U.S.S.R.) Ministerstvo oborony.
(Military education)

1. The Soviet Cavalry, 1945-1957
TYULENIN, Ivan Vladimirovich, general armii; FEDOSEYEV, Ye.A., polkovnik, red.;
MEDNIKOVA, A.B., tekhn. red.

[The Soviet cavalry in battles for the Motherland] Sovetskaya kavaleriya
v voiakhs za rodinu. Moskva, Voen.izd-vo M-va obor.SSSR, 1957. 300 p.
(MIRA 10:12)

(Russia--Army--Cavalry)

TYULENEV, K., dispatcher.

In the first ranks. Avt.transp. 35 no.10:26-27 0 '57. (MIRA 10:10)

1.Avtobaza No.1 Glavmosavtotransa.
(Highway transport workers)

TYULENEV, M.

Airmen of the Kuban are participants in the All-Union Agricultural Exhibition of 1956. Grazhd. av. 13 no.6:29 Jo '56. (MIRA 9:9)

1. Instruktor organizatsionnogo upravleniya Vsesoyuznoy sel'skokhozyaystvennoy vystavki.
(Moscow--Agricultural exhibitions) (Aeronautics in agriculture)

USSR/Soil Science. Cultivation, Melioration, Erosion. J.

Abs J^Our : Ref Zhur - Biol., No 15, 1958, 67968

Author : Tyulenev, M.O.

Inst : Academy of Sciences UknSSR.

Title : The Results of an Investigation of the Cultivation of Peat
Soils by T.S. Mal'tsev's Method.

Orig Pub : Vionik AN URSR, 1957, No 6, 28-35.

Abstract : As a result of two years of experiments by the Sarenskaya
Scientific Research Station and the Panfilov Marsh Field
on the problem of putting marshes under cultivation, it
has been discovered that the best way to till peat soils
for planting them in potatoes is ordinary plowing which
turns up the sod to a depth of 27-30 cm. This kind of
tilling resulted in potato yields of from 142.6 to 156
centners per hectare. When plowing was done at a depth

Card 1/2

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USSR/Soil Science - Cultivation, Melioration, Erosion.

J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67968

of 35-40 cm., and the sod turned up, the potato yield was reduced by 11.9-13%; when after discing, the plowing was done at a depth of 35-40 cm., and without moldboards, the yield dropped by 28-30%. The latter method of tilling dried peat soils increased the moisture content in the plowed horizon. In the dry year 1955, when ground water dropped to a depth of 1.5 meters, Mal'tsev's method of tillage gave a potato yield of 173 centners/hectare, as against a yield of 157 centners using the ordinary method. -- S.A. Nikitin

Card 2/2

TYULENEV, M.O.

Mode of action of Smirnov mineral waters. Medych.zhur. 21 no.6:
113-119 '51. (MIRA 11:1)
(MINERAL WATERS--PHYSIOLOGICAL EFFECT)

PISHKIN, B.A. [Pyshkin, B.A.], otv.red.; TYULENEV, M.O. [Tiuleniev, M.O.], red.; ARISTOVSKIY, V.V. [Aristovs'kyi, V.V.], doktor tekhn.nauk, red.; ALPAT'YEV, S.M. [Alpat'iev, S.M.], kand. sel'skokhoz.nauk, red.; ZHELEZNYAK, Y.A. [Zheliezniak, I.A.], kand.tekhn.nauk, red.; MAKSIMCHUK, V.L. [Maksymchuk, V.L.], kand.tekhn.nauk, red.; SEMENOV, K.S., kand.tekhn.nauk, red.; PECHKOVSKAYA, O.M. [Piechkova'ska, O.M.], red.izd-va; KADASHEVICH, O.O., tekhn.red.

[Over-all utilization of Ukrainian water resources; collected studies] Kompleksne vykorystannia vodnykh resursiv Ukrainy; sbirnyk naukovykh prats'. Kyiv, 1959. 173 p. (MIRA 13:1)

1. Akademiia nauk URSS, Kiev. Rada po vyvchenniu produktyvnykh syl URSS. 2. Chlen-korespondent AN URSS; golova Komisii po problemi kompleksnogo vikorystannia vodnykh resursiv URSS, Rada po vivchenniu produktyvnykh syl URSS Akademii nauk URSS (for Pishkin). 3. Chlen-korespondent AN URSS; Ukrain's'kiy naukovo-doslidnyi institut gidrotekhniki ta melioratsii (for Tyulenev). 4. Institut gidrologii i gidrotekhniki AN URSS (for Zheleznyak, Maksimchuk, Pishkin). (Ukraine--Water resources development)

TYULENEV, M.O.; VLASYUK, P.A., otv. red.; NEMIROVSKIY, R.M.
[Nemyrovs'kyi, R.M.], red.; RAKHLINA, N.P., tekhn. red.

[Growing potatoes, vegetable and forage crops on drained
swamps in the Ukraine] Vyroshchuvannia kartopli, ovochevykh
ta kormovykh kul'tur na osushenykh bolotakh URSR, 1952. 71 p.
(MIRA 16:4)

1. Chlen-korrespondent Akademii nauk Ukr.SSR (for Tyulenev).
2. Deystvitel'nyy chlen Akademii nauk Ukr.SSR (for Vlasyuk).
(Ukraine--Field crops)

TYULENEV, I., general armii

The glory of heroes is eternal ("Heroes and deeds of valor."
Reviewed by I. Tiulenev). Voen. vest 39 no.5:88-90 My '59.

(MIRA 12:10)

(Heroes)

Ushakov, N.A.
Ushakov, N.A., professor.

On reclaimed flood lands. Nauka i pered.op. v sel'khoz. 7 no. 5:84-15
'57. (MLRA 10:9)

1. Akademiya nauk USSR.
(Reclamation of land) (Drainage)

SUBJECT: USSR/Welding

135-3-13/17

AUTHOR: Tyulenev, V.N., Engineer

TITLE: Applying Crimean Marble for Electrode Coating (Primeneniye krymskogo mramora v elektrodnom pokrytii).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, #3, pp 26-27 (USSR)

ABSTRACT: The standard "ГОСТ 4416-48" for electrode marble requires uniform light gray or white color, and a content of calcium carbonate (CaCO_3) of not less than 92%, of magnesium oxide (MgO) not over 3 %, of sulfur not over 0.04 %, and of phosphorus not over 0.015%. The marble deposits in Chelyabinsk region, as well as in the Karelo-Finn SSR and in Alma-Ata region satisfy these conditions, but there exist other deposits, not recommended for apparently the sole reason that they are not sufficiently explored. Such an example represents the Crimean marble which is presently mined near Balaklava and the village Kadykovka for the southern metallurgical industry. The Crimean marble has the same chemical composition as the white Urals marble.

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The applicability of the Crimean marble has been experimentally investigated in comparison with the Urals marble, in electrode

TITLE:

135-3-13/17
Applying Crimean Marble for Electrode Coating (Primeneniye krymskogo mramora v elektrodnom pokrytii).
coatings "VOHM-13/45" and "VOHM-13/55", and the Crimean marble is found fully applicable. The color of marble appears to be of no significance. The components of the "VOHM"-type coating are specified as follows: Crimean marble, feldspar, quartz, ferromanganese, ferrosilicon, ferrotitanium, and sodium silicate. Their content, in percent of weight, in the coating for electrodes "J-42A" and "J-50A" respectively, is stated in the article.

The article contains 4 tables.

ASSOCIATION: Not stated.

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 2/2

TYULENEV, Ye.I., kandidat tekhnicheskikh nauk.

Device for testing the strength of wood. Transp. strei. 5
no.9:27-28 N '55. (MLRA 9:2)
(Wood--Testing)

TYULENEV, M. O.

SEE ALSO: TYULENEV, N. A.

TYULENEV, N. A.

Protecting leguminous grasses on drained peat soils by means of an aerating system.

Dokl. Ak. sel'khoz. No. 5, 1952

MLRA, August, 1952

DUSHECHKIN, A.I., redaktor; VLASYUK, P.A., redaktor; ~~TYULENEV, N.A.~~
redaktor; OKANENKO, A.S., doktor biologicheskikh nauk, professor,
redaktor; TOTSKIY, Yu.A., redaktor; GRUDZINSKAYA, O.S., redaktor;
SIVACHENKO, Ye.K., tekhnicheskiiy redaktor.

[Problems in the biochemistry of nitrogen and mineral nutrition of
plants] Voprosy biokhimi azotnogo i mineral'nogo pitaniia rastenii.
Kiev, Izd-vo Akad. nauk USSR, 1953. 210 p. (MIRA 8:2)

1. Akademiya nauk USSR, Kiev. Institut fiziologii rasteniy i
agrokhimii. 2. Deystvitel'nyy chlen AN USSR (for Dushechkin, Vlasyuk)
3. Chlen-korrespondent AN USSR (for Tyulenev).
(Plants--Nutrition) (Kok-saghyz)

1. TYULEN/EV, M. O.
2. USSR (600)
4. Reclamation of Land - Poles'ye Region
7. Toward the solution of the problem of the Ukrainian Poles'ye Region, Visnyk
AN URSR 24, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

TYULENEV, N.A.

Data for the study of the mechanism of action of hot springs of Zheleznovodsk. Terap.arkh. 25 no.3:24-31 My-Je '53.
(MLA 6:9)
(Mineral waters)

★
TYULENEV, M.O.

Establishing a stable feed supply on collective farms of the forest-
steppe and Polesye regions of the Ukrainian S.S.R. Visnyk AN URSR
26 no.10:47-54 0 '55. (MLRA 9:1)

1.Chlen-korrespondent Akademii nauk UPR.
(Ukraine--Forage plants)

~~TYULENTEV, M.O.~~

Secure the maximum production from drained peat bog soils
of the Ukrainian Polesye. Visnyk AN URSR 27 no.1:44-50 Ja
'56. (MLRA 9:6)

1.Chlen-korrespondent AN URSR.
(Polesye--Peat soils)

TYULENEV, M.O.

Results of the cultivation of peat soils after the method of T.S.
Mal'tsev. Visnyk AN URSR 28 no.6:28-35 Je '57. (MIRA 10:8)
(Ukraine--Peat soils) (Ukraine--Agriculture)

TYULENEV, N.I., doktor sel'khoz. nauk, prof., osv. red.;
ALPAT'YEV, S.M., kand. sel'khoz. nauk, osv. red.;
IAPA, I.Z., kand. sel'khoz. nauk, red.; MOSHINSKIY,
K.P., kand. tekhn. nauk, red.; RITKOVSKIY, B.I., kand.
tekhn. nauk, red.; SAMOKHVALENKO, S.K., kand. sel'khoz.
nauk, red.; ORLOVA, N.A., kand. tekhn. nauk, red.;
MOKLYAK, V.I., kand. tekhn. nauk, red.; SUSHKO, I.S., red.

[Materials of the Joint Conference of Young Scientists in
the Field of Melioration and Hydraulic Engineering] Materialy
ob"edinennoi nauch. -tekhnicheskoi konferentsii molodykh na-
uchnykh rabotnikov v oblasti melioratsii i gidrotekhniki.
Kiev, Urozhai. Nos. 1 - 2. 1964. (MIRA 18:3)

1. Ob"yedinennaya konferentsiya molodykh nauchnykh rabotnikov
v oblasti melioratsii i gidrotekhniki, Kiev, 1963. 2. Chlen-
korrespondent AN Ukr.SSR (for Tyulenev).

TYULENEV, N.A.; GOY, V.A.; ANSHUKOVA, Z.G.

Results of the use of Matsesta hydrogen sulfide water in sluggish
cholecystoangiocholitis as a secondary disease. Vop. kur.,
fizioter. i lech. fiz. kul't. 30 no.1:82-85 Ja-F '65.

(MIRA 18:8)

1. Poliklinika Nr. 3 (glavnyy vrach - zasluzhennyy vrach RSFSR
I.F. Protsenko) na kurorte Sochi-Matsesta.

12
TYULENEV, N.A. (Khosta)

Effect of aerated Borzhomi water on the excretory function of
the kidneys. Vop. kur., fizioter. i lech. fiz. kul't. 26 no.6;
503-509 N-D '61. (MIRA 15:1)
(BORZHOMI DISTRICT--MINERAL WATERS--PHYSIOLOGICAL EFFECT)
(KIDNEYS)

TYULENEV, N.A.

Influence of waters from the hot springs of Zheleznovodsk on bile secretion and bile pigment exchange. Vop. kur., fizioter. i lech. fiz. kul't. 26 no.1:41-46 '61. (MIRA 14:5)

1. Iz otdela organopreparatov (zav. → akad. M.P.Tushnov) Vsesoyuznogo instituta eksperimental'noy meditsiny i sanatoriya imeni I.V.Stalina v Zheleznovodske.

(ZHELEZNOVODSK--MINERAL WATERS)

(BILE)

(BILE PIGMENTS)

ARBUZOV, A.Ye.; SHISHKIN, V.Ye.; TYULENEV, S.S.

Imido ethers. Part 1: First haloalkylates of imido thio ethers.
Zhur. org. khim. 1 no.8:1442-1444 Ag '65. (MIRA 18:11)

1. Kazanskiy khimiko-tekhnologicheskii institut imeni Kirova.

SOV/133-59-4-5/32

AUTHORS: Kokarev, N.I., Candidate of Technical Sciences, Docent,
Kapichev, A.G., Lisiyenko, V.G., Semenenko, P.P., and
Tyulebayev, V.G., Engineers

TITLE: Thermotechnical Investigation of Open Hearth Furnace
Jet Nozzles Injecting Air Into Gas Ports (Teplotekhnicheskkiye ispytaniya golovok s inzhektsiyey vozdukha v gazovyy prolet)

PERIODICAL: Stal', 1959, Nr 4, pp 306-311 (USSR)

ABSTRACT: The results of experiments with various types of jet nozzles with injection of preheated or cold air are described. The designs of jet nozzles tested are shown in Fig 1 and table 1. Hot air from regenerators was supplied through special flues lined with refractory bricks and is introduced into the port through a special tuyere mixer, as an injection medium compressed air was used. It was found that: 1) at a pressure of compressed air of about 2.5 atm and its consumption of 330 n m³/hr, about 1650 n m³/hr of preheated air is injected into the gas port. This amounts to about 10% of the total amount of air supplied to the furnace;

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BOV/133-59-4-5/32

Thermotechnical Investigation of Open Hearth Furnace Jet Nozzles
Injecting Air Into Gas Ports

2) during the period when the waste gas is passing through the gas port, the tuyere of the injector can pass from the air flue to the gas flue about 1200 n m³/hr of waste gas; this amounts to 5 to 7% of the total amount of the waste gas; 3) the injection of cold air into the gas port is accompanied by an increase (in comparison with a Venturi type port) in the flame temperature at the first door of 20 to 25°C while the injection of hot air - by an increase of 40 to 50°C (Fig 2 and 3). This increases the flow of heat to the bath with cold air by 3% and with hot air up to 8% (at the first door) Fig 4. Simultaneously, the heat absorption of the bath also increases see Fig 5; 4) the injection of air into the gas port leads to a partial combustion of fuel in the port and to a decrease in the proportion of not completely burned fuel (table 2); 5) when injecting hot air the dynamic pressure of the stream of gas at the outlet from the port increases approximately 1.5 times. The increase in the dynamic pressure and the temperature of the flame leads to an increase in the flame velocity see Fig 7; 6) with increasing pressure of compressed

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SOV/133-59-4-5/32

Thermotechnical Investigation of Open Hearth Furnace Jet Nozzles
Injecting Air into Gas Ports

air in the injector the static pressure in the gas uptake also increases (Fig 8); 7) with the injection of hot air into the gas port the duration of heats decreases and the productivity of furnaces increases (in comparison with operation with the Venturi type port or with the injection of cold air). It is considered that the experiments should be continued in order to establish the most rational placing of the injecting tuyeres to decrease dust deposition in the tuyeres to a minimum. There are 8 figures and 2 tables.

ASSOCIATION: Ural'skiy Politekhicheskiy Institut i Metallurgicheskiy Kombinat im. A.K.Serova (Ural Polytechnical Institute and the Metallurgical Combine imeni A.K.Serov)

Card 3/3

TYULENEV, N.A.

Phenomenon of local leucocytosis and its importance in diagnosing
some heart diseases in patients arriving for resort therapy.

Vop.kur. fizioter. i lech.fiz. kul't. 23 no.6:508-511 N-D '58
(MIRA 11:12)

1. Iz sanatoriya "Strela" (glavnyy vrach Ye.A. Malysheva) v
Khoste.

(LEUCOCYTOSIS)
(HEART--DISEASES)

ROMANENKO, I.N., akademik, otvetstvennyy red.; VLASYUK, P.A., akademik, red.;
ZEROV, D.K., akademik, red.; RODIONOV, S.P., red.; TYULENEV, H.A.,
red.; PSHENICHNYY, P.D., akademik, red.; DAVYDOV, G.M., kand. ekon.
nauk, red.; KUGUKALO, I.A., kand. ekon. nauk, red.; BEREZIKOV, V.S.,
red.; FEDUN, A.D., red.; KOZAKEVICH, T.A., red. izd-va; SIVACHENKO,
Ye. K., tekhn. red.

[Problems in the economy of Polesye; transactions of a conference]
Voprosy ekonomiki Poles'ia; trudy konferentsii. Kiev, Izd-vo Akad.
nauk USSR. Vol. 4. 1958. 134 p. (MIRA 11:10)

1. Konferentsiya po voprosam razvitiya proizvoditel'nykh sil
Poles'ya USSR. 1955. 2. Akademiya nauk USSR (for Vlasyuk, Zerop,).
3. Ukrainskaya Akademiya sel'skokhozyaystvennykh nauk (for Vlasyuk,
Romanenko, Pshenichnyy). 4. Vsesoyuznaya Akademiya sel'skokhozyay-
stvennykh nauk im. V.I.Lenina (for Vlasyuk). 5. Chlen-korrespondent
Vsesoyuznoy Akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina
(for Romanenko). 6. Chlen-korrespondent Akademii nauk USSR (for
Rodionov, Tyulenev). 7. Zamestitel' nachal'nika otdela svodnykh
perspektivnykh planov Gosplana Soveta Ministrov USSR (for Beresikov).
8. Nachal'nik podotdela sel'skogo khozyaystva i zagotovok otdela
svodnykh perspektivnykh planov sel'skogo khozyaystva Gosplana
Soveta Ministrov USSR (for Fedun),
(Polesye--Economic conditions)

USSR/Engineering - Machine tools

Card : 1/1

Authors : Tyulenev, N. E.

Title : Repairing and adjusting spindle stocks of the type 126, and 123
multispindle automatic machines.

Periodical : Stan. i Instr., Ed. 7, 26 - 30, July 1954

Abstract : Repairing and adjusting spindle stocks of the type 126 and 123 multi-
spindle automatic machines, is discussed. Re-grinding of spindle-
stock holes, selection of permissible tolerances, and the assembly of
belts and bearings, is described. Diagrams; tables.

Institution :

Submitted :

TYULENEV, Nikolay Konstantinovich; ZVIGINTSEV, P.S., inzh., retsenzent;
YERGINA, M.N., red.; BOGOSLAVETS, N.P., tekhn. red.

[Work organization in a brigade of communist labor] Organizatsiia
raboty v brigade kommunisticheskogo truda. Moskv, Mashgiz,
1961. 29 p. (Biblioteka rabochego-mashinostroitelia. Seriia:
Peredovaia tekhnika - osnova kommunisticheskogo truda, no.12)
(MIRA 16:1)

1. Rukovoditel' brigady tokarey v mekhanicheskom tsokhe
Uralmashinzavoda (for Tyulenev).
(Machinery industry—Production standards)

SHAROVA, Z.P.; TYULENEN, N.V.

Method of treating acetate rayon fabrics in preparation for dyeing.
Obm. tekhn. opyt. [MLP] no.9:3 '56. (MIRA 11:10)
(Dyes and dyeing--Rayon)

SHAROVA, Z.P.; TYULENEV, N.V.

Method of removing oil spots from capron fabrics. Obm. tekhn. opyt.
[MLP] no.9:3-4 '56. (MIRA 11:10)
(Nylon---Cleaning)

TYULENEV, N.V.

Fixing of capron and acetate "mooscreps" fabrics. Obm. tekhn. opyt.
[MLP] no.9:4-5 '56. (MIRA 11:10)
(Textile finishing)

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TYULENEV, N.V.

Using a mechanical closed-type back for piece dyeing. Obn. tekhn.
opyt. [MLP] no.9:8-9 '56. (MIRA 11:10)
(Dyes and dyeing--Apparatus)

CA

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

25

Loading silk. A. L. Boldurev and N. V. Lyul'nev.
Russ. 34,517, Feb. 28, 1934. Silk is treated at 70-80°
with a soln. of CaCl_2 , pressed and exposed to air to swell
the fiber. The swollen silk is washed and used directly in
the usual treatment with SnCl_2 , phosphates and Na silicate

CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

3RD AND 4TH ORDERS

25

Loading silk. A. L. Boldurev and N. V. Lyul'nev.
Russ. 34,517, Feb. 28, 1934. Silk is treated at 70-80°
with a soln. of CaCl_2 , pressed and exposed to air to swell
the fiber. The swollen silk is washed and used directly in
the usual treatment with SnCl_2 , phosphates and Na silicate

TYULENEV, N.Ye.

Repair and regulation of spindle blocks of type 126 and
123 multiple-spindle automatic milling machines. Stan. 1 instr.
25 no.7:26-30 J1 '54. (MLRA 7:8)
(Milling machines)

VECHTOMOV, M.I., inzh.; KUDRYAVTSEV, V.A., inzh.; MALKES, D.A., inzh.;
 OSTROVSKIY, G.I.; POVERENNYI, L.D.; SUSHKOV, P.M., inzh.;
 TYULENEV, K.Z., inzh. Prinsipialni uchastiye: GALYAMOVA, N.S., inzh.;
 PUTYEVA, N.P.; IZRAYLOVICH, Ye.A., inzh.; MARCHENKO, G.A., inzh.;
 MALYGINA, Z.S.; SOKOLOVA, Ye.A.; SOKOV, V.N., inzh.; TARASOVA,
 S.N.; TASHAYEV, A.L., inzh.; FILIMONOV, S.V.; DRALICH, K.F., inzh.,
 nauch. red.; NOVITCHENKO, K.M., inzh., nauchnyy red.; SIMAKOV,
 S.N., inzh., nauchnyy red.; FAKTOROVICH, Yu.A., kand. tekhn. nauk,
 nauchnyy red.; STUPIN, Ye.N., otv. red.; LUTOV, N.S., red.;
 IVANOV, V.S., red.; BAGUZOV, N.P., glav. red.; VOLCHEGORSKIY, M.S.,
 zam. glav. red.; DOBRYNIN, S.N., red.; NAZAROV, I.A., red.;
 KOLESNIKOV, S.I., red.; MEL'NIKOV, N.P., red.; SUSNIKOV, A.A., red.;
 STAROVEROV, I.G., red.; LYTKINA, L.S., red. izd-va; GORDEYEV, P.A.,
 red. izd-va; OSENKO, L.M., tekhn. red.

[Handbook for the designer of industrial, residential, and public
 buildings and structures; organization of construction and execu-
 tion of building and assembly operations. Industrial construc-
 tion] Spravochnik proektirovshchika promyshlennykh, zhilykh i
 obshchestvennykh zdaniy i sooruzheniy; organizatsiya stroitel'-
 stva i proizvodstvo stroitel'no-montazhnykh rabot. Promyshlen-
 noe stroitel'stvo. Pod red. P.M.Sushkova. Moskva, Gos.izd-vo
 lit-ry po stroit., arkhitekt. i stroit. materialam, 1961. 372 p.
 (MIRA 15:2)

(Industrial buildings)

KUDRYAVTSEV, D.; TYULENEV, S.; SIL'CHENKO, M.; VORONITSYN, I.

Chromium plating in a self-regulating electrolyte.
Avt.transp. 40 no.11:28-30 N '62. (MIRA 15:12)
(Chromium plating)

TYULENEV, S.; EPSHTEYN, A.

Ways to lower the consumption of metal and the estimated cost of industrial construction through planning. Prom.stroi.i inzh. soor. 4 no.5:5-9 S-O '62. (MIRA 16:1)

1. Upravlyayushchiy Dnepropetrovskim filialom Gosudarstvennogo proyektного instituta po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Tyulenev).
2. Glavnyy inzh. Dnepropetrovskogo filiala Gosudarstvennogo proyektного instituta po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Epshteyn).

(Metals)

(Industrial plants—Cost of construction)

TYULENEV, S.D., inzh.; EPSHTEYN, A.Z., inzh.

The work of anchor fastenings of hot-blast stoves of blast
furnaces. Prom. stroi. 40 [i.e. 41] no.6:31-33 Je '63.

(MIRA 16:10)

1. Dnepropetrovskiy filial Gosudarstvennogo proyektnogo instituta
po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh
konstruktsiy i mostov.

KUZNETSOV, Ye.V.; VIZEL', A.O.; SHERMERGORN, I.M.; TYULENEV, S.S.

Relation between the molecular weight of polyethylene terephthalate and the viscosity of its solutions in a mixture of phenol and dichloroethane. Vysokom. soed. 2 no.2:205-209 F '60. (MIRA 13:11)

1. Kazanskiy khimiko-tekhnologicheskii institut.
(Terephthalic acid)

KUZNETSOV, Ye.V.; VIZEL', A.O.; TYULENEV, S.S.; SHERMERGORN, I.M.

Stabilization of polyethylene terephthalate. Trudy AKHTI no.30:
82-88 '62. (MIRA 16:10)

S/081/62/000/018/048/059
B160/B186

AUTHORS: Vizel', A. O., Shermergorn, I. M., Tyulenev, S. S.

TITLE: Synthesis of polyethylene terephthalate

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 18, 1962, 503,
abstract 18P62 (In collection: Materialy 1-y
Konferentsii molodykh nauchn. rabotn. g. Kazani, 1959.
Seks. khim. Kazan', 1960, 27-34)

TEXT: Ways of reducing the amount of glycol brought into the reaction and of replacing purified N_2 by commercially pure N_2 or air were investigated in order to develop a technology for the production of polyethylene terephthalate (PETP) using terephthalic acid dimethyl ester (DMT) as the raw material. These investigations proved that the consumption of ethylene glycol can be reduced (from three mols to two) by introducing the DMT part at a time, and that it is possible to use commercially pure N_2 or air (instead of purified N_2), triphenyl phosphate (I) at the rate of 0.4-3% of the DMT being used as the antioxidant. The relation of the
Card 1/2

Synthesis of polyethylene .

S/081/62/000/018/048/059
B160/B186

reaction rate and quality of the product obtained to the amount of I introduced was studied (the optimum amount of I being 0.75% of the amount of DMT). A new solvent (40% phenol and 60% dichlorethane), which has good solvent ability at about 20°C, was found for determining the molecular weight of the PETP from the viscosity and for fractionation of the polymer. [Abstracter's note: Complete translation.]

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